KUS, S.

KUS, S. Prestressing wire of great strength for prestressed construction. p. 18. EUDOWNICIWO PRZEMYSLONE. Warszawa, Poland. Vo. 4, No. 11, Nov. 1955

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6, June 1956

KUS, Stanislaw, inshener; ZELIESKI, Zenon, inshener

Prestressed reinforced concrete in industrial building construction in Poland. Bet. i shel.-bet. no.4:149-150 Jl 155. (MIRA 8:9)

1. Byuro issledovaniy i tipovykh proyektov Ministerstva promyshlennosti Poliskoy Marodnoy Respubliki. (Polani-Reinforced concrete)

KUS, S.; JAROSZ, JR., T.; ZIELINSKI, Z.

"Testing the Cable-Concrete Girders of the Roofs of the Grandstands of the Artificial Skating Rink in Warsaw", p. 19, (INZYNIERIA I BUDOWNICTWO, Vol. 12, No. 1, Jan. 1955, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955, Uncl.

KUS, S.

Prestressed cylindrical silos.

P. 132 (Inzyniera I Budownictwo. Vol. 14, no. 3, Mar. 1957, Warszawa, Poland)

Monthly Index of East European Accessions (EFAL) LC. Vol. 7, no. 2, February 1958

KUS, S.

Problem of prestressing reservoirs; some results of technical experiments.

P. 345 (Inzymieria I Budownictwo. Vol. 14, no. 10, Oct. 1957, Warszawa, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000927820006-7"

KUS, S.; ZALESKI, W.

Construction of a supermarket in Warsaw. p. 372.

IMZYHIERA I BULOWWICTWO. Warszawa, Poland. Vol. 16, no. 9, Sept. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960. Uncl.

BABINSKI, Cz., prof. dr; KUS, St., dr

"The complex manufacturer" by A. Hugon, L. Traverse. Vols. 1, 2. Reviewed by Cz. Babinski, St. Kus. Inz 1 bud 19 no.6:240, 3 of cover Je 162.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000927820006-7"

KUS, Stanislaw, dr inz.

Strands 7 (1) 2,5 as a new type of reinforcing prestrossed concrete. Inz i bud 19 no.11:440-444 N '62.

KUS, Stanislaw (Warszawa); ZALEWSKI, Waclaw (Warszawa); ZIELINSKI, Zenon (Warszawa)

The 4th Congress on Prestressed Concrete (FIP) in Rome. Przegl budowl i bud mieszk 34 no.11:658-661 N '62.

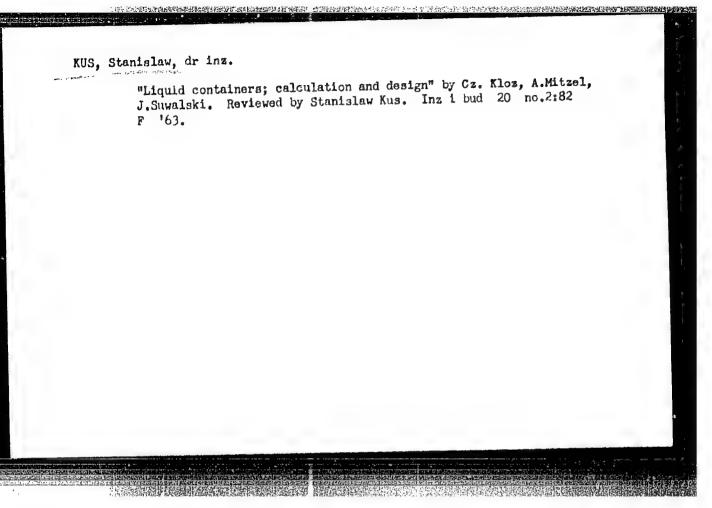
KUS, Stanislaw, dr inz.; JOZWIAK, B. [translator]

Prestressed concrete economy in the United States. Przegl budowl i bud mieszk 35 no.2:108-110 F 163.

的图形式,企业的表现的图形。其中的影響的企业的影響的**是对于特别的影響的正式和影響的企业的影響的企业的。**

KUS. Stanislaw (Warszawa); ZIELINSKI, Jerzy (Warszawa); SROKOWSKA, Hanna (Warszawa)

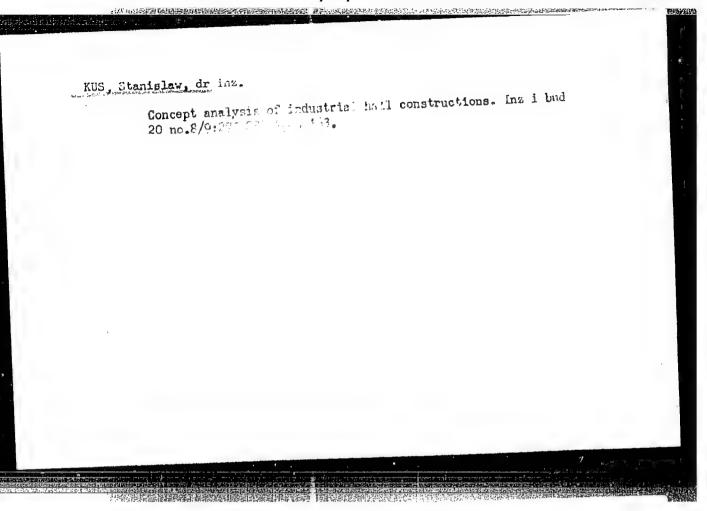
Studies on splices as tension reinforcement pretensioned prestressed concrete. Przegl budowl i bud mieszk 35 no.2: 86-93 F *63.

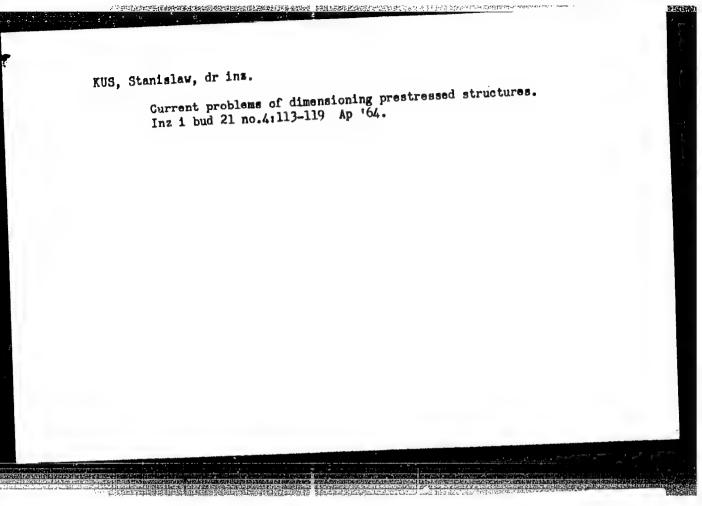


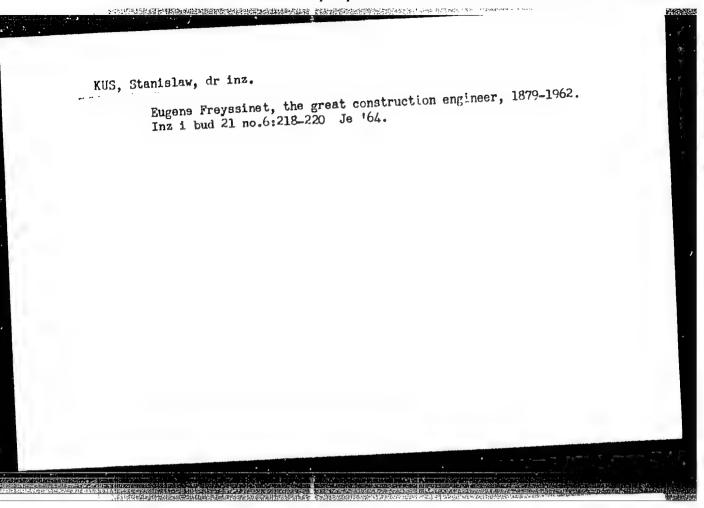
KUS, Stanislaw, dr inz.

Sport pavilions of the Academy of Physical Education in Warsaw. Inz i bud 20 no.7:217-222 Jl '63.

1. Biuro Studiow i Projektow Typowych Budownictwa Przemyslowego, Warszawa.



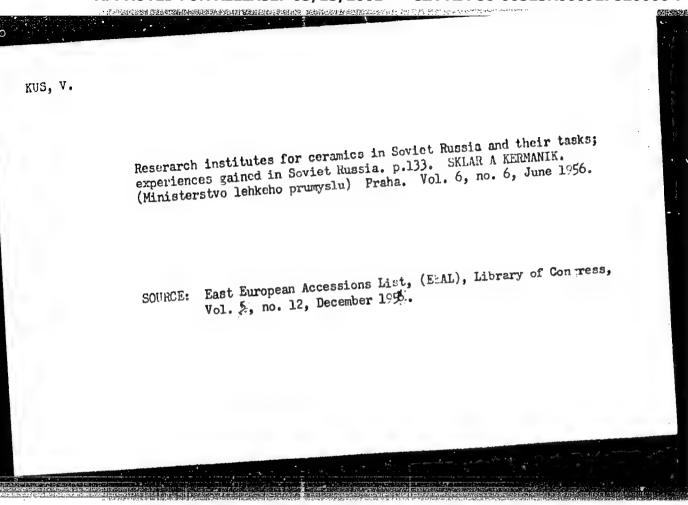




APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000927820006-7"

KUS, Stanislav, dr inz.; DOMANSKI, Stanislav, mgr inz.

From experiences of designing combined steel-enforced prestressed roofs. Inz i bud 21 no.8:Suppl:Maly por konstr 5 no.5125-27 Ag '64.



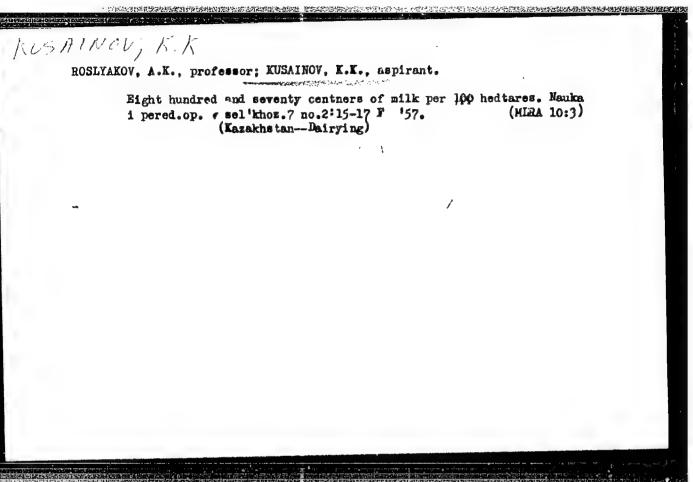
HAVIAR, V.; FEDORCAK, M.; HODZOVA, O.; EUSA, O.; IPKNAFOVA, O.

Effect of heparin on tissue respiration of the myorardium. Bratisl. lek. listy 45 no.11:671-675 15 D 165.

1. II. interna klinika Lek. fak. Univerzity Komenskeho v Bratislave (veduci prof. MIDr. V. Haviar) a Fakultna transfuzna stanica v Bratislave (veduci doc. MIDr. M. Hrubisko, CSc.).

Results of using green corn for feeding cows. Trudy AZVI 9:64-70 '56. (MIRA 15:4)

1. Iz kafedry kormleniya sel'skokhozyaystvennykh zhivotnykh (zav. kafedroy - cheln-korrespondent AN KazSSR, doktor prof. A.K.Roslyakov) Alma-Atinskogo zooveterinarnogo instituta. (Cows—Feeding and feeds) (Corn (Maize))



KUSAINOV, K.K., aspirant

Preparation and use of corn ensilage in the feeding of cows.

Trudy AZVI 10:88-100 '57. (MIRA 12:8)

1. Iz kafedry kormieniya seliskokhozyaystvennykh zhivotnykh (zav.kafedroy - chlen-korrespondent AN KazSSR, doktor prof. A.K.Roslyakov) Alma-Atinskogo zoovetinstituta.

(Ensilage)

KUSAINOV, K., Candidate Agric Sci (diss) -- "A study of corn fodders and a determination of norms for feeding them to cows in the suburban zone of Alma-Ata Oblast". Alma-Ata, 1959. 27 pp (Min Agric USSR, Alma-Ata Zoovet Inst), 150 copies (KL, No 24, 1959, 146)

"APPROVED FOR RELEASE: 03/13/2001 CIA

CIA-RDP86-00513R000927820006-7

ACC NRI

AP6034907

SOURCE CODE: UR/0382/66/000/002/0061/0072

AUTHOR: Vulis, L. A.; Gusika, P. L.; Kusainov, M. K.; Shmelev, Yu. K.; Yaglenko, V. T.

ORG: none

TITLE: Mercury flow in a trough in a transverse magnetic field

SOURCE: Magnitnaya gidrodinamika, no. 2, 1966, 61-72

TOPIC TAGS: transverse magnetic field, mercury, magnetogasdynamics, magnetohydrodynamics, mercury flow. free surface flow

ABSTRACT: The article presents some results of systematic observations of a stationary flow of mercury in a horizontal trough, with insulated walls and electrodes in the presence of a transverse magnetic field. This method was found to be valuable in the study of magnetohydrodynamics and magnetogasdynamic phenomena. Qualitative characteristics were obtained on the structure of the hydraulic jump in the magnetic field and the influence of the latter on the intensity and location of the hydraulic jump in the range of values studied for the determin-

Card 1/2

UDC: 538.4

ACC NR: AP6034907

ing parameters. Experimental data for continuous subcritical and theoretical flows obtained in a one-dimensional approximation were compared, and qualitative characteristics obtained. Results of tests confirmed the qualitative deductions from the analysis of equations of reversal effects and the possibility of using an approximate computation based on a one-dimensional diagram. With a certain correlation of parameters, a practically smooth virtually jumpless transition from the supercritical to the subcritical flow was observed. Orig. art. has:

13 figures, 13 formulas. [GC]

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SUB CODE: 11, 20, 09/ SUBM DATE: 31 Jan66/ ORIG REF: 006/OTH REF: 003/

Card 2/2

MURZALIYEVA, Kh.Ye., zasl. deyatel* nauki, doktor med. nauk, prof.;

KUSAINOVA, G.K., kand. med. nauk; YEGOROV, Yu., red.;

HYCHKOVA, E., red.

[Pregnancy and infectious hepatitis (Botkin's disease)] Beremennost' i infektsionnyi gepatit (bolezn' Botkina). Alma-Ata, "Kazakhstan" 1965. 177 p. (MIRA 18:12)

KUSAINOVA, G.K. Delivery at the age of 54 after seven years of amenorrhea. Akush, i gig. 33 no.2:88 Mr-Ap'56. (MIRA 9:7) 1. Iz kafedry akusherstva i ginekologii (zaveduyushchiy professor Ya.S.Klenitskiy) lechabnogo fakul'teta Kazakhskogo meditsinskogo instituta. (PREGNANGY)

EUSARIOVA, G. K. and SYRGABAYEVA, Z.R.

"Toxoplasmosis in Pregnant Momen"

Voprosy toksoplarmoza, report theses of a conference on toxoplasmosis, Eoscow, 3-5 April 1961, publ. by Inst Enidemiology and Microbiology in. R. F. Gamaleya, Acad. Fed. Sci USSR, Moscow, 1961, Copp.

KUSAINOVA, G.K.

Precipitate and premature labor in infectious hepatitis. Vop. okh. mat. i det. 6 no.3:74-78 lfr '61. (MIRA 14:10)

1. Iz Kazakhakogo nauchno-issledovatel'skogo instituta okhrany materinstva i detstva (direktor A.B.Bisenova, nauchnyy rukovoditel' - doktor meditsinskikh nauk Kh.Ye.Murzaliyeva).

(HEPATITIS, INFECTIOUS) (LABOR, COMPLICATED)

KUSAINOVA, G.K.; SYRGABAYEVA, Z.R.

Toxoplasmosis in pregnant women. Akush. i gin. 39 no.3:66-68 My-Je'63 (MIRA 17:2)

1. Iz Kazakhskogo nauchno-issledovatel skogo instituta okhrany materinstva i detstva i Kazakhskogo nauchno-issledovatel skogo instituta epidemiologii, mikrobiologii i gigiyeny.

KUSAK, A.; HURT, V.

Modernization of machine tools. p. 218.

STROJIRENSKA VYROBA. (Ministerstvo tezkeho strojirenstvi, Ministerstvo presneho strojirenstvi a Ministerstvo automobiloveho prumyslu a zemedelskych stroju) Praha, Czechoslovakia. Vol. 7, no. 5, May 1959.

Monthly list of East European Accessions (EMAI), LC, Vol. 8, no. 10, Oct. 1959. Uncl.

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CIA-RDP86-00513R000927820006-7

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ACC NR: AP6032832 (A) SOURCE CODE: CZ/0078/66/000/007/0022/0022

AUTHOR: Vomlel, Otokar (Dobroutov); Kusak, Frantisek (Zbysov); Stefan,

Ladislav (Engineer; Jihlava)

ORG: none

TITLE: Lubrication equipment for flyball governors. CZ Pat. no. PV 5356-65

SOURCE: Vynalezy, no. 7, 1966, 22

TOPIC TAGS: internal combustion engine component, lubrication equipment,

injector pump

ABSTRACT: A device is introduced for lubricating mechanical flyball governors which control injector pumps in combustion engines. Fins are arranged inside the governor's box to drain oil spattered into the pipe by the rotor. One end is placed in the governor's box and the other in the axis of the control pin which is equipped with channels connected to the channels in the supporting pin, the grooves shaped in the periphery of the supporting pin, and to the channels in the weight support.

SUB CODE: 21/ SUBM DATE: 31Aug65/

Card 1/1

STRMISKA, Jaroslav, MUDr.; KUSAK, Ivan, MUDr.

Problem of first aid and prevention of injuries in agricultural workers. Cesk. zdravot. 4 no.8:473-476 Aug 56.

1. Vyzkumny ustav traumatologicky v Brne.
(ACCIDS,
farm accid., first aid & prev. (Cz))
(AGRICULTURE.
farm accid., first aid & prev. (Cz))
(FIRST AID, in various diseases,
farm accid. (Cz))

CHYTIIOVA, Marie; HONSA, Karel; KUSAK, Ivan

Controlled inhibition of blood supply to tubular flap in transplantation. Acta chir. orthop. traum. cech. 25 no.4:276-278 July 58.

1. Vyzkimny ustav traumstologicky v Brne, reditel prof. Br. Vladimir Movak. Za technicke spoluprage MUG, Vladimira Novaka a MUC Viktora Hrncire.

M. Ch., Srno, Bayerova 2.

(THANNPIANTION, experimental, controlled blood supply to tubular flap (Cz))

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000927820006-7"

STRMISKA, Jaroslav; KUSAK, Ivan

Effect of antibiotics on the coalescence of a skin graft. Rozhl. chir. 38 no.7:459-463 July 59

1. Vyzkumny ustav traumatologicky v Brne, reditel prof. dr. Vladimir Novak.

(ANTIBIOTICS, pharmacol.)
(SKIN TRANSPIANTATION, exper.)

KULHANEK, V.; CHYTILOVA, M.; KRACMER, M.; KUSAK, I.

Immune responses of the organism to fresh, rozen and lyophilized homografts. Rozhl.chir. 39 no.6:388-392 Je '60.

1. Vyzkumny ustav traumatologicky v Brne, reditel prof. MUDr. Vladimir Hovak.

(SKIN TRANSPLANTATION exper)

STRMISKA, J.; KUSAK, I.; BECHINIE, E.

Effect of the transarticular intramedullary fixation on the extremity. Experimental study. Acta chir.orthop.traum.cech. 28 no.5:422-428 0 161.

1. Vyzkumny ustav traumatologicky v Brne, reditel prof. MUDr. Vladimir Novak.

(JOINTS physiol) (FRACTURES surg)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000927820006-7"

MACIK, J.; FEIT, J.; KUSAK, I.; KOCOUREK, M.

Prevention of intrapulmonary complication after compression thoracic injuries. Rozhl. chir. 43 no.7:465-468 Jl '64.

1. Vyzkumny ustav traumatologicky v Brne (reditel prof. dr. V. Novak, DrSc) a I patologickoanatomicky ustav lekarske fakulty University J.E. Purkyne v Brne (prednosta prof. dr. J. Svejda, DrSc.).

L 45339-66 FSS-2/T WW/JW/JMD/RB

ACC NR:

AP6022857 SOURCE CODE: CZ/0086/66/000/008/0303/0305

AUTHOR: Ruzicka, Bedrich (Engineer; Candidate of sciences); Kusak, Jan

(Engineer)

ORG: none

TITLE: Recovery system in sounding rockets

SOURCE: Letectvi-kosmonautika, no. 8, 1966, 303-305

TOPIC TAGS: sounding rocket, geophysic research, deceleration parachute,

recovery device

ABSTRACT: The inclusion of recovery devices in the equipment systems of sounding rockets is discussed. The design costs and weight of these devices are assessed since an increase in weight affects the rocket ceiling. However, advantages such as extended trajectory of the rocket in the upper layers of the atmosphere, increased safety for the population in the areas of rocket recovery and impact and instruments, photos, records, and, eventually, of samples of the

Card 1/3

1 45339-60

ACC NR. AP6022857

atmosphere collected by rockets are considered to be of prevalent interest. The possibility of reusing the instrument module of a rocket with its costly instruments, as well as the rocket itself is stressed as a significant economy factor. The following recovery devices are described as being used in Soviet sounding rockets: (1) Recovery parachute systems in MR-1 sounding rockets, which consist of the instrument-module parachute, and a rocket parachute. The former opens at an altitude of approximately 70 km, before the rocket reaches the apex of its trajectory, thus stabilizing the instrument module in the final phase of the ascent. (2) Deceleration surfaces in "A"-series geophysical reserach rockets. The surfaces are hydraulically controlled by a servomechanism. A picture of a Soviet geophysical rocket with deceleration surfaces and two photos depicting the parachute systems in an MR-1 sounding rocket are presented by the authors. A diagram showing the drift values for various trajectories of rockets decending from different altitudes is given. The article also mentions several Western sounding rockets and gives an evaluation of their recovery capabilities and equipment. Listed are the ASP rockets, the Aerobee rockets in which the aerodynamic destabilization is used for decleration, the French "Veronique" rocket in which an

Card 2/3

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aerodynamically unstable design is combined with a deceleration parachute, the Reingold Tilling folded-wings rocket, the Arcas and Loki rockets, and the new West German "Dornier" sounding rocket equipped with a homing-recovery system which enables the rocket to return to the launching site after completing its mission. The article concludes that Czechoslovakia is rather limited in the use of sounding rockets of both the parachute-recovery type as well as the high-acceleration type. The alternatives are seen to lie in liquid-propellant sounding rockets equipped with a deceleration and homing system of the "Dornier" type, or in solid-propellant consumable rockets. A drawing of the "Dornier" rocket, and a diagram showing the rocket's guided-descent trajectory are given. Another figure shows the economic advantages of liquid-propellant rockets equipped with homing recovery systems over the similarly equipped solid-propellant rockets. Orig. art. has:

[KP]

SUB CODE: 22/ SUBM DATE: none/

Card 3/3 7 C

L 3644-66 FSS-2/EWP(m)/ETC(m)/EWA(1) WW

ACCESSION NR: AP5022189 CZ/0086/65/000/0

CZ/0086/65/000/017/0566/0567

AUTHOR: Kusak, Jan ingineer)

TITLE: Exterior ballistics of a sounding rocket

SOURCE: Letectvi - kosmonautika, no. 17, 1965, 566-567

TOPIC TAGS: ballistic trajectory, sounding rocket, spacecraft altitude determination, exterior ballistics 7,570 10

ABSTRACT: After a brief discussion of the purpose of sounding rockets, the paper lists all the parameters which influence the altitude attained by such rockets. The parameters are used to formulate a general function for the altitude of a rocket. The difficulties of solving such a function are pointed out. Two basic approaches are given to the problem of designing a sounding rocket for a specific payload and a specific altitude. The times required for solving restricted forms of the altitude function manually and using a computer are tabulated. The altitude function is discussed under the condition that the rocket altitude will not exceed 100 km since only small and medium size sounding rockets will be of interest in Czechoslovakia. The velocity distribution of such rockets along their trajectories is discussed and shown by a curve. Under some restricting conditions, appropriate for low-altitude rockets of small and medium size, a

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ACCESSION NR: AP502:189

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simplified function for rocket altitude is formulated and used to consiste a three-dimensional nomogram. Some applications of the altitude nomogram are briefly discussed. Orig. art. has: 4 figures, 2 tables, and 4 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: SV

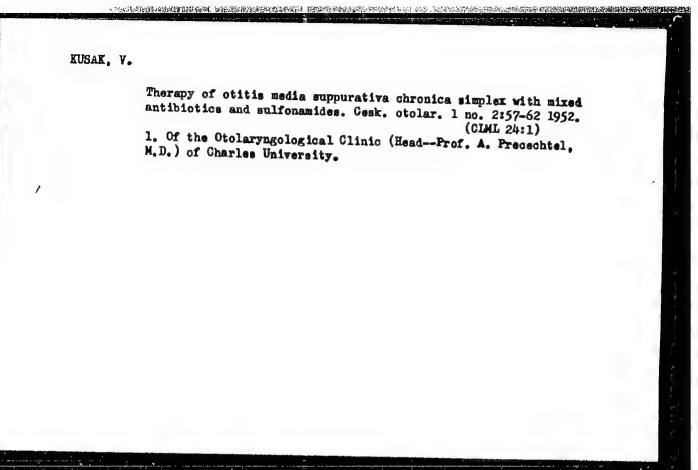
NO REF SOV: 000

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KUSAK, Miroslav; WEINFURT, Miroslav

Operational use of polyethylenimine resins in papermaking.
Papir a celulosa 19 no.5:129-133 My '64.

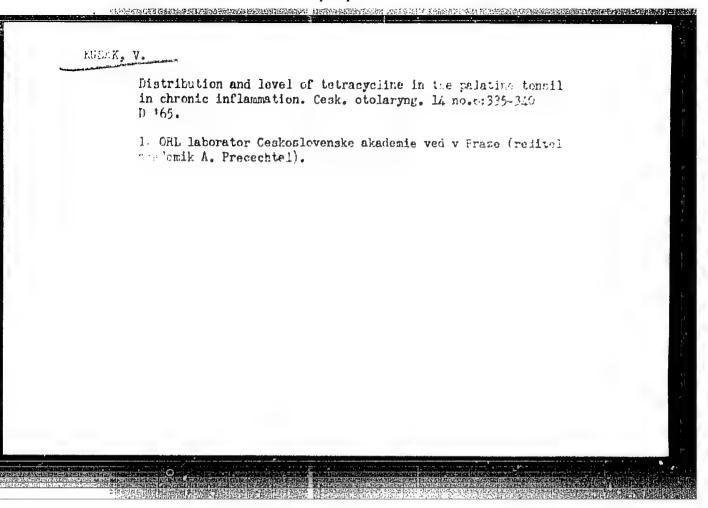
1. Research Institute of Paper and Cellulose, Prague Worksite.



VOLDRICH, L.; KUSAK, V.; TICHY, S.

Effect of Torula utilis and Candida arborea on the respiratory tract in workers employed in the production of yeast. Cesk. otolaryng. 14 no.6:368-371 D '65.

1. ORL laborator Ceskoslovenske akademie ved v Praze (reditel akademik A. Precechtel) a Otolaryngologicka klinika fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta prof. dr. K. Sedlacek).



KUSAK, Vlastimil, MUDr.; JIROVA, Miloslava, MUDr.

Considerations on medical services to workers of small plants by a city regional physician. Cesk. zdravot. 4 no.7:409-410 July 56.

Ministerstvo statni kontroly.
 (INDUSTRIAL HYGIENE,
 med. serv. in small plants by city regional physicians (Cz))

KUSAK, V.; VOLDRICH, L.

Thrush anginas. Cesk.otolar.9 no.6:348-352 D '60.

1. ORL klinika fakulty vesobecneho lekarstvi KU v Praze, prednosta akademik A. Precechtel, ORL laborator CSAV, vedouci akademik A. Precechtel.

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> (TORSILLITIS etio1) (MONILIASIS compl)

KUSAK, V.

Role of fungi of the genus Candida in the pathogenesis and clinical aspects of tonsillitis. Cosk. otolaryng. 12 no.4: 208-213 Ag 163.

1. Otolaryngologicka laborator CSAV v Praze, vedouci akad.
A. Precechtel Klinika nemoci usnich, nosnich a krcnich fakulty vseobecneho lekarstvi KU v Praze, prednosta prof. dr.
K. Sedlacek.

(TONSILLITIS) (MONILIASIS, ORAL)

KUSAK, V.

Angina in large sommunities as a medical and social problem. Cas.lek.cesk. 103 no.6:160-165 7 Mr¹64.

1. Otolaryngologicka laborator CSAV; vedouci: akademik A. Precechtel.

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Tiday, J.; 16 ... Training.

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CHERNYSHEV, M.A., gornyy inzh.; KUSAKIN, A.A., mekhanik

Improving individual components of the P-1 drill rig. Gor.
zhur. no.5172-73 My '62. (MRA 16:1)

1. Rudnik Temir-Tau, Gornaya Shoriya.
(Boring machinery)

KUSAKIN, I.

The trend is to improve economic indices! Sov. profsoluzy 18 no.5:24-26 Mr '62. (MIRA 15:3)

l. Predsedatel' komiteta profsojuma ordena Trudovogo Krasnogo Znameni Novomoskovskogo khimicheskogo kombinata. (Novo-Moskovsk--Chemical industries)

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"APPROVED FOR RELEASE: 03/13/2001 CIA

CIA-RDP86-00513R000927820006-7

Convergence of some methods for the approximate solution of operator equations. Dop. AN URSR no.7:830-834 *65.

(MIRA 18:8)

1. Voronezhskiy inzhenerno-stroitel*nyy institut.

KUTSEV, V.P.[deceased]; BROD, I.O., prof., doktor geol.-min.nauk, otv.red.;
Prinimali uchastiye: KRYMOV, V.P., mladshiy nauchnyy sotrudnik;
SAMSONOV, L.G., mladshiy nauchnyy sotrudnik; KUSAKIN, M.N.,
laborant; RUGALEVA, A.M., laborant; SIBILEVA, V.I., laborant;
KOLONTAROV, A.P., red.izd-va; GUS'KOVA, O.M., tekhn.red.

[Materials on the geology, and oil and gas potentials of eastern Ciscaucasia] Materialy po geologii i nefte-gazonosnosti Vostochnogo Predkavkazia. Moskva, 1960. 178 p.

(MIRA 13:12)

1. Akademiya nauk SSSR. Kompleksnaya neftegazovaya geologicheskaya ekapediteiya. 2. Nachal'nik Kompleksnoy Severo-Kavkazskoy neftyanoy ekapediteii AN SSSR. 1952-1955 (for Brod).

 Dagestanskiy filial AN SSSR (for Krymov, Samsonov). (Caucasus, Northern--Petroleum geology) (Caucasus, Northern--Gas, Natural--Geology)

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000927820006-7 10 B 11 D B M B M T B N B 11 9 Y 1 R 1 T 2 M M C 10 EF (A.) Semicoking of the coal of the Artemovik deposit 'Far East': G. N. Herraderskif and N. D. Kusaka: Aham Teridop Toplay 9, 17 28 19383. The Proposition Private of the Inwher system and the stationary vertical reform thath 55 kg captestry) were used. The semi-oking was carried out at 5507 in the first retort and at 550 in the second, for 3.6 and 11.15 hrs., resp. 4th products were from the rotating and the stationary retort, resp. 50 semicoke a 440.3 to 3 and 40.0 to 80 and 5 to 90 semicoke a 440.3 to 3 and 40.0 to 80 and 5 to 90.5 to 90.0 to 90.

METALLUTGICAL LISEMATURE (LASSIFICATION

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E SAKEN, N. D. -- "Separate Mechanisms of Developing a Temperature Field in a Stagnant Layer of Coked Coal." July 1 Mar 50, test of Educal Phela, Acad Sci USBR. (Dissertation for the Degree of Candidate in Technical Sciences).

50: Vachornaya Noskva, January-December 1752

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CIA-RDP86-00513R000927820006-7

Kusakin, N.D.

USSR/Scientific Organization

FD-1105

Card 1/2

Pub. 41-17/17

Author

: Syskov, K. I., and Kusakin, N. D. (1), Kupriyanov, V. P. (3)

Title

: In scientific establishments of the Department of Technical Sciences

of the Academy of Sciences of the U.S.S.R.

Periodical

: Izv. AN SSSR. Otd. tekh. nauk 4, 154-160, Apr 1954

Abstract

Describes activity of various scientific institutions in four articles:

(1) "Seminar of the Institute of Mineral Fuels, Commemorating Academician N. P. Chizhevskiy" -- a report on a seminar held 14 May 1954 on the subject of IGI (Institute of Mineral Fuels) coke ovens developed (1948) on the basis of research done by N. P. Chizhevskiy. (2) "Conference on the Problem of the Mechanics of Cloth" -- a report on conference held March 1954, at Institute of Mechanics of the Academy of Sciences of the USSR, on construction, technology, and durability of

cloth.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927820006-7

USSR/Scientific Organization

FD-1105 & 1106

Card 2/2

Pub. 41-17/17

Abstract

(3) "Conference on use of Local Building Materials for Agricultural Construction" -- a report on conference held March 1954 by Commission on Construction Problems and the All-Union Scientific and Technical Society of the Silicate Industry on ways of increasing the use of binding materials from local sources as slag, ashes, gypsum, and lime.

(4) "Works of the Institute of Mineral Fuels, Published in 1953" -- a report, including chapter titles, on two publications of the Academy of Sciences of the USSR: "An Investigation of Contemporary Principles for Coal Coking" (Issledovaniye sovremennykh printsipov koksovaniya ugley), Works of the Institute of Mineral Fuels, Vol. 4, Issue 1, 1953, 64 pp. "The Chemistry and Origin of Solid Mineral Fuels" (Knimiya 1 genezis tverdykh goryuchikh iskopayemykh), Works of the First All-Union conference, 1950, Institute of Mineral Fuels, All-Union Chemical Society imeni D. I. Mendeleyev, 420 pp.

Periodical

: Izv. AN SSSR. Otd. tekh. nauk 4, 154-160, Apr 1954

Institution :

Submitted

CHIZHNYSKIY, Bikolay Prokop'yevich, akad.; KUSAKIN, N.D., kand. tekhn, nauk.;

BARDIN, I.P., akad., otv..red.; SAMARIN, A.M., red. SYSKOV, K.I., doktor bekhn. nauk, red.; STLEV, L.M., doktor tekhn. nauk, red.; SHAPOVALOV, I.I.; red.izd-va,; PRUSAKOVA, T.A., tekhn. red.

[Selected works] Izbrannye trudy. Hoskva, Ind-vo Akad. nauk SSSR. (MIRA 11:11)

1. Ohlen-korrespondent AN SSSR(for Samarin)

(Metallurgy)

(Coke)

(Fuel)

CHIZHEVSKIY, Nikolay Prokop'yevich, akademik; KUSAKIN, N.D., kand. tekhn.
nauk, ecetavitel; toma; BARDIN, I.P., akademik; SAMARIN, A.M.;
SYSKOV, K.I., doktor tekhn.nauk; TSYLEV, doktor tekhn.nauk;
CHERNYSHEV, D.M., red. izd-va; PRUSAKOVA, T.A., tekhn.red.

[Selected works] Izbranaye trudy. Moskva, Izd-vo Akad. nauk
SSSR. Vol.2. 1958. 425 p. (MIRA 12:1)

1. Chlen-korrespondent AN SSSR (for Samarin).

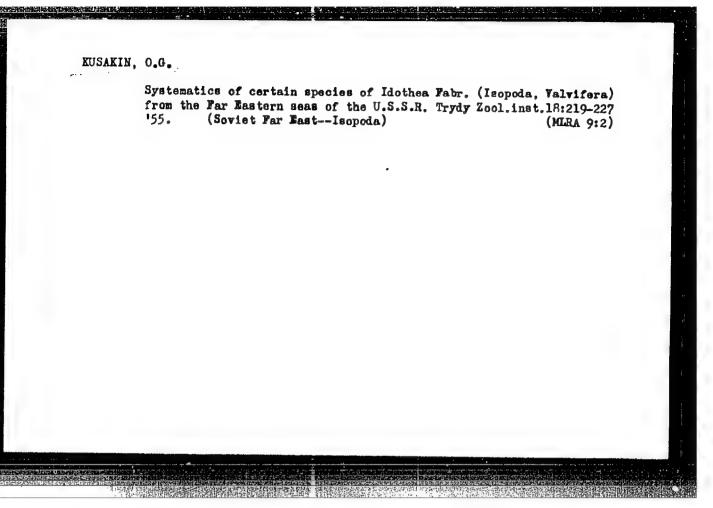
(Coke) (Metallurgy)

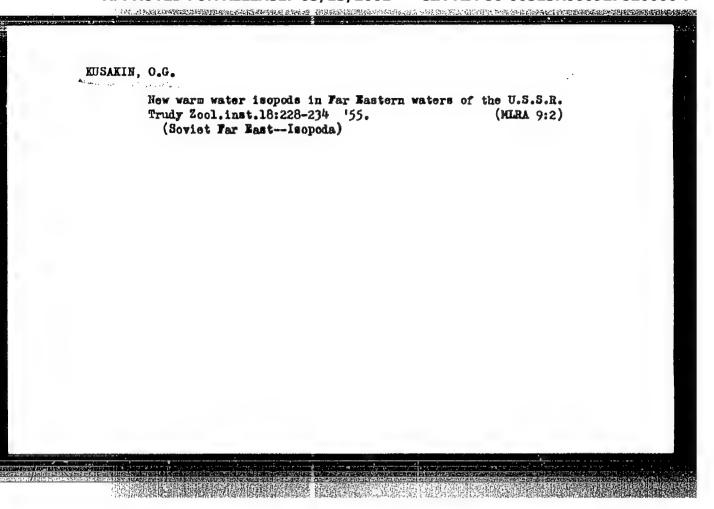
KUSAKIN, N.D.; SIGAREV, A.M.; ZVYAGINA, Ye.V.; Prinimali uchastiye:
DOTSPINO, A.M.; KOKOREVA, M.A.; LYUBIMOVA, E.M.; SEMENOVA, L.V.

Investigating the gaseous medium surrounding carbon-graphite blanks
during their baking in a multiple compartment ring kiln. TSvet. met.
37 no.10:51-54 0 '64. (MIRA 18:7)

KUSAKIR, N.D.; VYATKIN, S.Ye.; AVERINA, M.V.

Structural modifications of carbon material in potroleum
pyrolysis cokes. TSvet.met. 38 no.10:59-62 0 165.
(MIRA 18:12)





Fauna and flora of the intertidal sone of Eunashir Island. Trudy probl.i tem.sov. no.6:98-115 '56. (MLRA 9:11) 1. Leningradskiy gosudarstvennyy universitet. (Eunashir island--Marine biology)

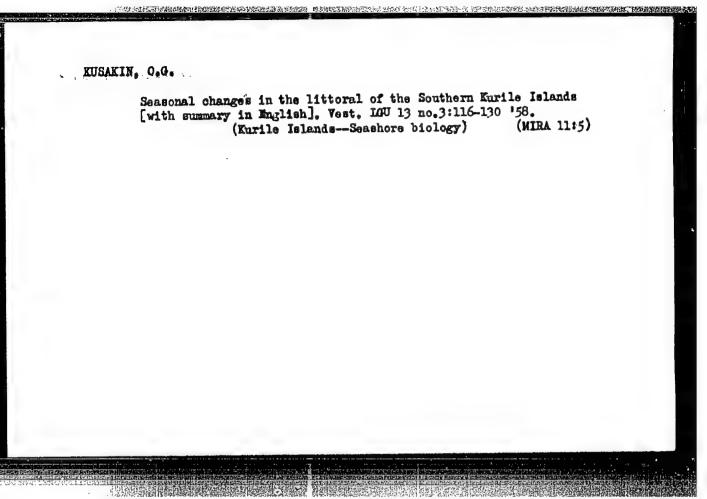
KUSAKIN, O.G. Cand Biol Sci -- (diss) "The coastal region of the southern Kurik Islands and its fauna and flora."

Len,1958. 20 pp. (Len Order of Lenin Univ im A.A. Zhdanov).

100 copies.

(KL, 8-58, 104)

-14-



KUSAKIN, O.G.

Biological characteristics of the Far Eastern chiton Schizoplax brandtii (Middendorff). Zool. zhur. 39 no.8:1145-1150 Ag '60. (MIRA 13:8)

1. Zoological Institute of the U.S.S.R. Academy of Sciences, Leningrad. (Pacific Ocean—Amphineura)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000927820006-7"

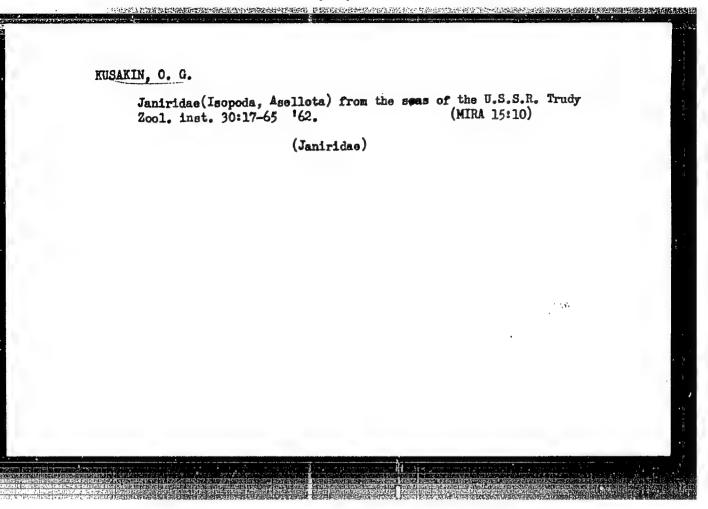
.. KUSAHIN, O.C.

Some characteristics of the distribution of fauna and flora in the intertidal zone of southern Kurile Islands. Issl.dal'nevort.mor.

SSSR no.7:312-343 *61. (MIRA 14:5)

(Kurile Islands—Seashore biology)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000927820006-7"



Munnidae (Isopoda, Asellota) from the Far Eastern seas of the U.S.S.R. Trudy Zool. inst. 30:66-109 '62.

(MIRA 15:10)

(Pacific Ocean—Isopoda)

KUSAKIN, O.G.

A new species of littoral crustaceans (Isopoda, Sphaeromidae) from the Soviet Far Eastern seas. Issl.dal'nevost.mor.SSSR no.81238-242 '62. (MIRA 15:12)

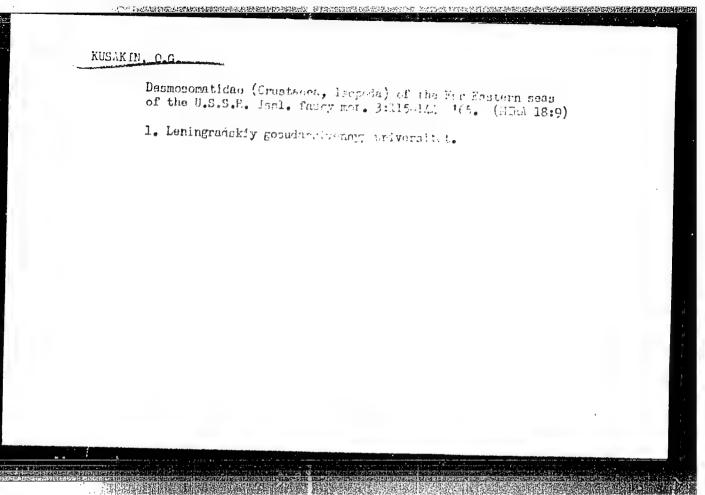
1. Zoologicheskiy institut AN SSSR.

(Pacific Ocean—Sphaeromidae)

GOLIKOV, A.N.; KUSAKIN, O.G.

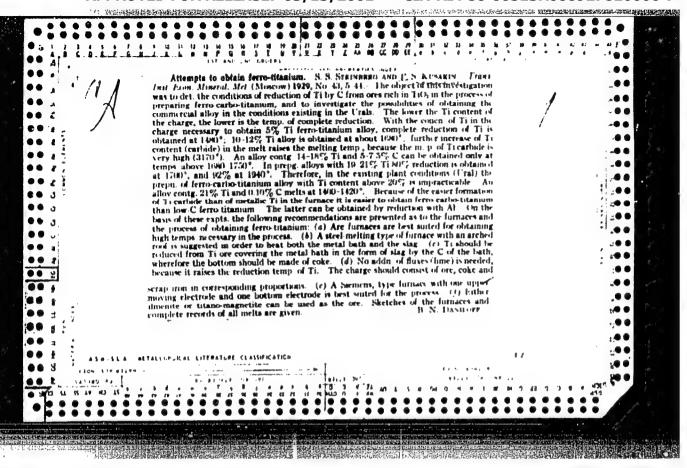
Fauna and ecology of prosobranchiate gastropods in the littoral waters of the Kurile Islands. Issl.dal'nevost.mor.SSSR no.81 248-346 '62. (MIRA 15:12)

1. Zoologicheskiy institut AN SSSR.
(Kurile Islands—Prosobranchiata)



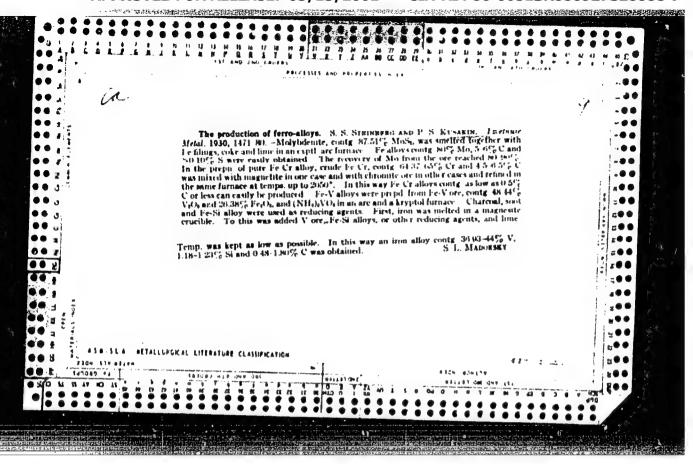
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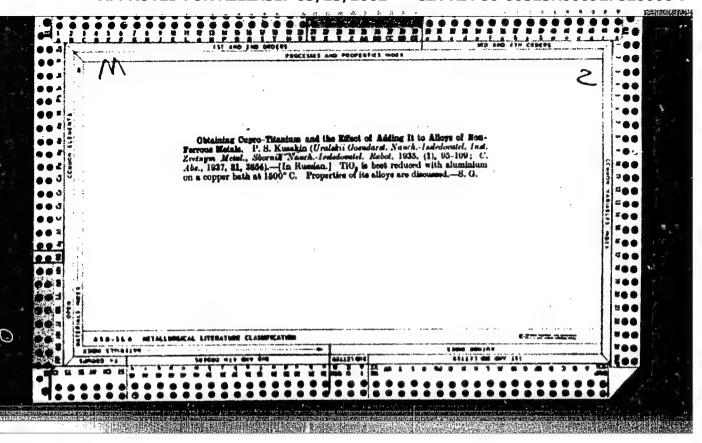
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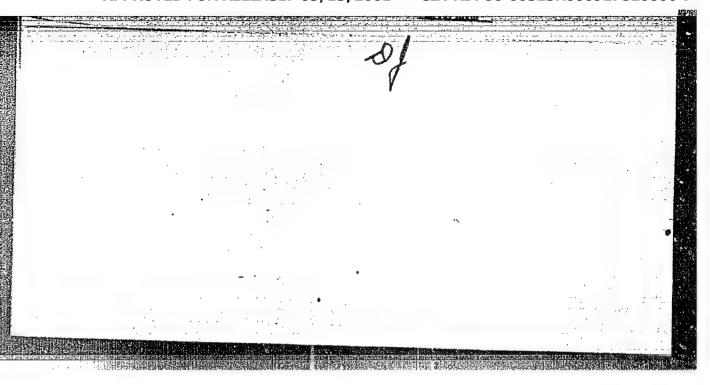


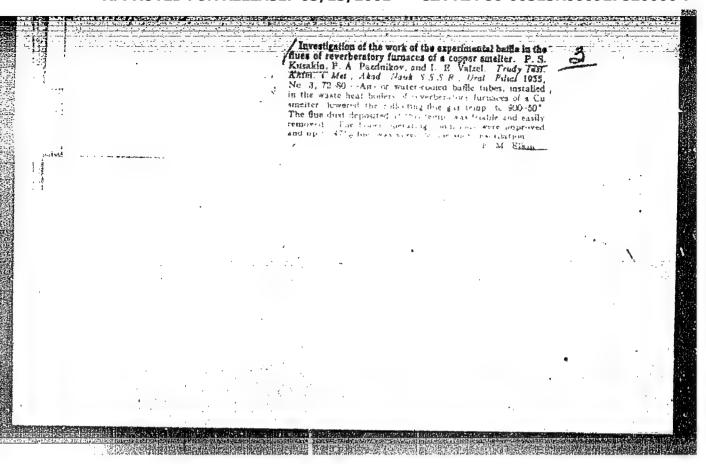
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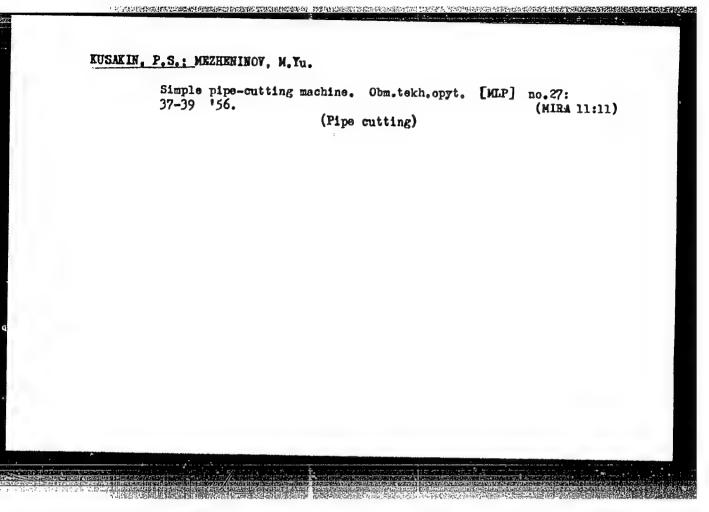
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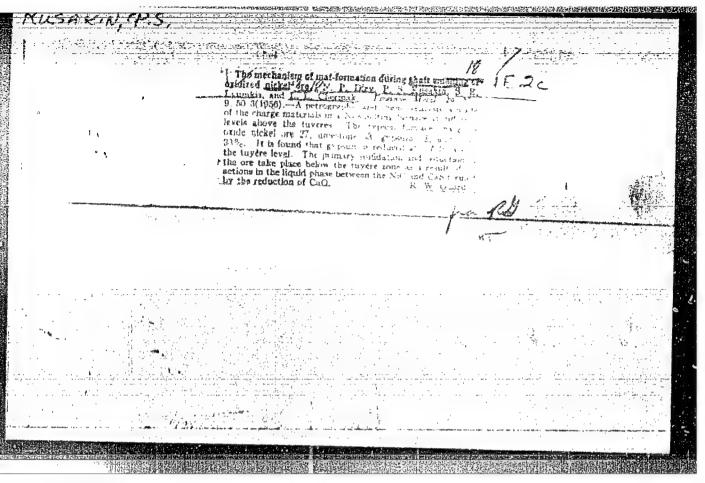


BIBINA, I.A.; VETRENKO, Ye.A.; DIYEV, N.P.; YELISEYEV, I.S.; KLUSHIN, D.N.;
KUSAKIN, P.S.

Speeding up the bessemer process of converting copper matte by oxygen-enriched air. TSvet. met. 29 no.7:10-17 J1 '56.

(MLRA 9:10)

(Copper--Metallurgy) (Bessemer process)



SOV /137-58-12-24309

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 12, p 54 (USSR)

AUTHORS: Moleva, N.G., Vetrenko, Ye.A., Kusakin, P.S.

TITLE: Relationship of Matte Crushability and Abrasability to Cooling Rate

(Zavisimost' drobimosti i istirayemosti shteynov ot skorosti ikh

okhlazhdeniya)

PERIODICAL: Tr. In-ta metallurgii. Ural'skiy fil. AN SSSR, 1957, Nr 1, pp 99-

102

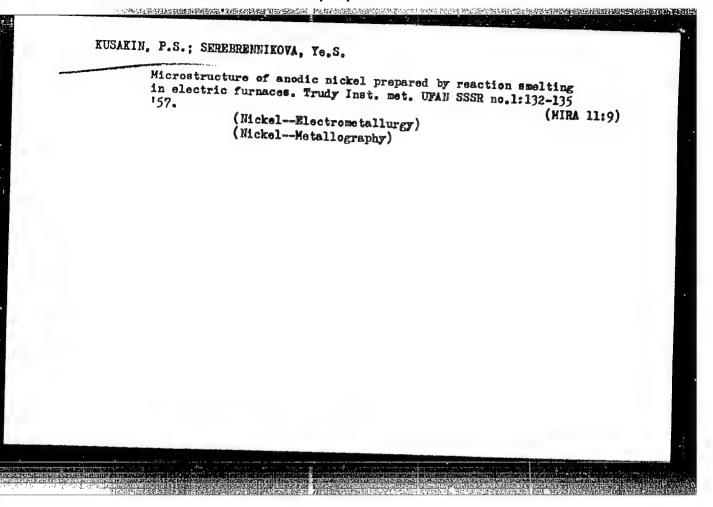
ABSTRACT: Accelerated cooling of mattes (M) in the nickel industry permits a

significant reduction of precipitation of the Fe-Ni therein. When this practice is followed, the Fe-Ni dendrites are distributed equally within the basic sulfide mass and segregation thereof is not observed. Rapidly cooled M show substantially lower resistance to abrasion, but respond to crushing considerably more poorly than when cooled slowly. Significant segregation of a metallic phase of (Fe-Ni) is observed in slowly cooled specimens, as is a greater microhardness of rapidly

cooled M. This testifies to the fact that a hardening of the metallic and sulfide phases is under way.

Card 1/1

Ye. Z.



KasaKing 12.

133-12-2/26

CONTROL OF THE PROPERTY OF THE

AUTHORS: Moleva, N.G., and Kusakin, P.S., Candidates of Technical

Sciences.

TITIE: On the Mineralogical Composition of Fluxed Sinters

(O mineralogicheskom sostave oflyusovannykh aglomeratov)

PERIODICAL: Stal', 1957, No.12, pp. 1068-1071 (USSR)

A microscopic investigation of sinters of various basic-ABSTRACT: ities produced from two types of ore and with various coke content in sinter mixes was carried out. Chemical composition and sintering conditions of samples investigated are given in the table. It was found that the phase composition of sinters depends to a large extent on the silica content. In sinters containing 12 - 16% of silica, calcium oxide reacts with silica with the formation of ferro-calcium and alumino-calcium silicates; calcium ferrites appear mainly around pores with their total content of 10-15%. With silica content of 7%, low melting liquid phase rich in calcium dissolves magnetite, on the cooling of which calcium ferrites of various composition are crystallised. The remains of dissolving magnetite grains serve as crystallisation centres for monocalcium ferrite. Total content of calcium ferrites in samples investigated was about 30 - 45%. The solidified liquid phase consisted of ferrous glass. Calcium ferrites crystallised mainly from the liquid Cardl/2

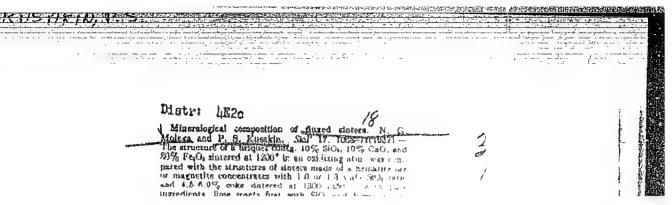
On the Mineralogical Composition of Fluxed Sinters. 133-12-2/26

phase. Calcium containing sinter are not strong, all microcracks pass through the solidified cementing phase of the sinter and are probably caused by rapid cooling of sinter. Cracks in sinter are not necessarily related to accumulations of calcium ferrites. It is possible that on slow cooling the in monocalcium ferrite and precipitates on cooling in the form of inclusions. There are 5 figures, 1 table and 6 Slavic references.

ASSOCIATION: Institute of Metallurgy UFAN (Institut metallurgii UFAN)

AVAILABLE: Library of Congress

Card 2/2



MOLEVA, N.G.; KUSAKIN, P.S.; VETRENKO, Yo.A.; DIYEV, N.P.

Grystallization of alloys of the system FeS -- Go483. Zhur. prikl. khim. 30 no.9:1402-1405 S 157. (MIRA 11:1)

1. Institut khimii i metallurgii Ural'skogo filiala AN SSSR. (Iron sulfides) (Cobalt sulfides)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000927820006

SOV/137-59-1-1373

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 182 (USSR)

AUTHORS: Kusakin, P.S., Serebrennikova, Ye.S.

TITLE: The Microstructure of Anodic Nickel Obtained by Means of Reactive

Smelting in an Electric Furnace (Mikrostruktura anodnogo Ni. polu-

chayemogo reaktsionnoy plavkoy v elektropechi)

PERIODICAL. Tr. In-ta metallurgi: Uralskiv fil. AN SSSR, 1957, Vol 1, pp

132-135

ABSTRACT: A comparative investigation of microstructure properties of sound as

well as rejected cast Ni anodes. Both anodes exhibit analogous phase-structure characteristics, but the rejected castings contain considerably greater quantities of N13S2, a compound which tends to form wide interlayers containing also NiO. Compared with the sound metal, the rejected metal also exhibits greater porosity. In order to evaluate the effect of impurities and conditions of cooling of castings on the phase composition of Ni, the microstructure of sound and rejected anodes was studied under the following conditions: a) After preliminary annealing; b) after rapid cooling of molten Ni

Card 1/2

in a massive Cu mold immersed in water; c; after slow cooling of

The Microstructure of Anodic Nickel Obtained by Means of Reactive Smelting (cont)

the crucible with the molten Ni in the furnace. To obtain a high-quality metal, the first stage of smelting (oxidation of S of the molten metal and burning off of C) should be carried out in a hot bath, care being taken to avoid overheating. The Ni obtained should contain minimum amounts of S and C, since the presence of significant quantities of Ni₃S₂, NiO, and C results in the formation of SO₂ and CO, which produces a spongy and blistered surface on the castings. Rapid cooling of metal which had been preliminarily soaked in a furnace for a sufficient length of time improves the quality of a casting.

V. G.

Card 2/2

MIKHAYLOV, V.V.; SHAVRIN, S.V.; CHENTSOV, A.V.; KUSAKIN, P.S.;
SAPOZHNIKOVA, T.V.; OSINOVSKIKH, L.L.

Continuous process of separating titanium slags from iron-titanium

concentrates. Trudy Inst. met. UFAN SSSR no.2:47-54 '58.

(HIRA 12:4)

(Titanium ores)

(Ore dressing)

NATURAL BETALL THE PROPERTY OF THE PROPERTY OF

SOV/137-58-10-20467

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 18 (USSR)

AUTHORS: Moleva, N.G., Kusakin, P.S., Rapoport, E.M.

TITLE: Gas-phase Reaction of Oxides and Sulfides (O vzaimodeystvii

okislov i sul'fidov cherez gazovuyu fazu)

PERIODICAL: Izv. Sibirsk. otd. AN SSSR, 1958, Nr 2, pp 57-61

ABSTRACT: An investigation is made of Cu, Ni, and Fe oxides and sulfides. The experimental conditions excluded the occurrence of solid-phase reactions. The possibility was established that these compounds could react in the gas phase. The low value of the dissociation equilibrium pressures does not interfere with the course of the reactions. The process is limited by the diffusion of O₂ and S₂ through the film of metal and sulfide formed. The reaction resolves itself to the reduction of oxides to metal by gaseous sulfur and subsequent sulfidization of the latter.

1. Copper oxide--Phase studies 2. Nickel oxide--Phase G. F. studies 3. Iron oxide--Phase studies

Card 1/1

SOV/137-59-3-5527

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 3, p 84 (USSR)

AUTHORS: Diyev, N. P., Kusakin, P.S., Paduchev, V. V., Sobolev, P. A.,

Perestoronin, A. A.

TITLE: Phase Content of Cobalt-nickel Mattes

(Fazovyy sostav kobal'to-nikelevykh shteynov)

PERIODICAL: Tr. In-ta metallurgii. Ural'skiy fil. AN SSSR, 1958, Nr 2, pp

181-186

ABSTRACT: The authors studied the phase content of industrial Co mattes by the following methods: 1) Mineralogical-petrographic investigations;

2) gravitational [sink-float] separation in water, heavy liquids, suspensions, etc.; 3) air-separation; 4) flotation; 5) smelting out; and 6) classification according to grain size. Conclusions: 1) Co does not form an independent phase in matter but is distributed between the sulfide and metallic solid solutions and the double sulfide 2FeS Ni3S2, isomorphically taking the place of Fe and Ni in the lattice nodes of the respective phases; 2) the composition of separate

phase components in Co matter fluctuates in the following range:

Card 1/2 Metallic phase 18-40% (by weight), sulfide phase 43-40%, eutectoid

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Phase Content of Cobalt-nickel Mattes

SOV/137-59-3-5527

38-20%, and slag intrusions 0-4%; 3) the metallic phase contains (in %): Ni 6.6-44, Fe 47.8-80, Co 0.85-2.6, and S 0.9-4.0. Co and Ni are concentrated mainly in the metallic phase; 4) the sulfide phase contains (in%): Ni 11.8-22.2, Fe 49-61, Co from 10 to 60 μ , a specific gravity of 7.88 and a melting point of 1370°C; 6) the specific gravity of the sulfide phase is 4.6.

N.P.

Card 2/2

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SOV/137 59 2 2805

Translation from: Referativnyy zhurnal. Metallurgiya 1959. Nr 2 p 72 (USSR)

AUTHORS. Moleva, N. G., Kusakin, P. S.

TITLE: On the Mineralogical Composition of Fluxed Agglomerates (K min

eralogicheskomu sostavu oflyusovannykh aglomerato.)

PERIODICAL: Tr. In-ta metallurgii, Ural'skiy fil. AN SSSR, 1958 Nr 2, pp 187-

ABSTRACT: The authors investigate the mineralogical composition of fluxed Fe

and Ni agglomerates (A) of highly concentrated Magnitogorsk magne tite (90 - 95% magnetite), bauxite, and oxidized Ni ores to determine the chemism and mechanism of the reaction of CaO with the minerals of the ores. It was established that CaO reacts first with the silicate phases of A (fayalite), transforming it into terromonicellite; when present in excess, CaO forms Ca silicates. The phase composition of the fluxed A depends upon the SiO2 cortent. In the presence of 12-16% SiO2, CaO forms Fe-Ce and Al-Ca silicates and a very

small amount of Ca ferrites. In the presence of 17% SiO2 magnetite is dissolved in the liquid phase (LP) from which upon cooling Ca ter

Card 1/2 rites of variable composition are crystallized out in amounts up to